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INFORMATION REPORT

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COUNTRY Yugoslavia
SUBJECT New Factory in Strnise for the
Extraction of Aluminum from Bauxite
25X1

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1. The construction of the majority of the buildings for the new, large, and very modern aluminum factory in Strnise has been completed, and the installation of machinery has begun. While awaiting installation, much of the machinery has been stored outside the vast engine-rooms, some of which attain a height of 30 meters or more.
2. The installation of equipment required for transportation of bauxite to the factory from the warehouses has also been completed. These warehouses can house a six-month supply of mineral material, thus enabling the factory to work at an even rhythm during the winter months when the extraction of bauxite is impossible.
3. The rotary furnace, 150 meters long, has been installed. The auxiliary machines for this furnace were to have been supplied by Hungary, but the transaction was not effected because of the satellite trade boycott. The furnace has been installed in a seven-story building, and the construction of the machines has been entrusted to Slovenija Projekt, a Ljubljana firm whose technical departments have prepared the plans.
4. The bauxite will pass through a series of complicated processes, at a temperature of 200 degrees centigrade and with a pressure of 12 atmospheres. All but four of these machines are already operative, as are also the special filters by means of which the aluminum is separated from the other substances. The bauxite, passing from one section to another, will finally arrive at the section where the aluminum will be collected by means of electrolysis.
5. The buildings where the electrical machines and the electrolytic cells will be installed have also reached an advanced stage of construction. The work is being effected under the supervision of technicians from the Gradiska construction firm, which is using 50 Shock Workers' Brigades who are working at an accelerated pace in order to complete the program before its scheduled date of termination. It is foreseen that the factory will work at full capacity by the end of 1951 and, given the modern equipment, that it will require a very little operating staff.

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6. The Franc Leskosek factory has built and installed the electrolytic cells. The Lozovac factory has constructed the aluminum electrical conduits. The Indor factory of Bistrica has constructed aluminum plates. The Strnisce factory has constructed 700 tons of electrolyte tanks and other materials, and the Djuro Djakovic factory of Slovenski Brod has received an order for the construction of 160 electrical furnaces modeled according to the pattern of two which have been constructed in the Strnisce factory.

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